



QUIK-SHIELD® | 112

2 lb Spray Foam Insulation

QUIK-SHIELD® | 112 is the best 2 lb. closed-cell, spray-applied, rigid polyurethane foam system on the market today. It is specially formulated to be the highest performing, year-round 2 lb. spray foam, and is certified for use in the U. S. and Canada

QUIK-SHIELD® | 112 can be applied to substrates as low as 28° and as high as 180° F. Additionally, it has passed AC 377(NFPA 286) Appendix X without any ignition barrier.

QUIK-SHIELD® | 112 has earned a reputation for fewer gun clogs and less odor.

QUIK-SHIELD® | 112 provides exceptional insulation with an R-Value of 6.6 per inch, and can reduce heating and cooling costs by up to 40%.



QUIK-SHIELD® | 112 is ideal for applications in:

- Interior perimeter stud wall insulation
- Exterior and below grade applications
- Structural insulated panel systems
- Freezers & Coolers
- Agricultural facilities

QUIK-SHIELD® | 112 is environmentally friendly.

- Reduces energy consumption
- Zero ozone depletion
- Low VOC
- Improves indoor air quality
- Promotes sustainable design

GREENGUARD® Certification

Quik-Shield | 112 meets the highest GREENGUARD® standard - GOLD. Products meeting this strict standard for indoor air quality are certified safe and healthy for indoor environments like schools, daycares, and elderly homes.



Tested & Approved

QUIK-SHIELD® | 112 is IRR-1011 and CA BHFTI approved and helps qualify for LEED points.





ACCEPTANCE & COMPLIANCE

APPROVALS/ COMPLIANCE:

IRR-1011, CCMC 13555-L
Class 1— ASTM E-84 (Flame<25, Smoke<450)
AC 377 (NFPA 286) Appendix X— passed without ignition barrier.
CAN/ULC S102
E-84, NFPA 285, E-119
Type I-V construction

WIRING & PLUMBING:

Quik-Shield® | 112 is fully compatible with typical electrical wiring coverings. It can also have direct contact with CPVC piping systems (Paschal Engineering Study for the SPFA).

INDUSTRY LEADING TEMPERATURE SPECIFICATIONS:

Quik-Shield® | 112 is designed for application to substrates with temperatures as low as 28°F (-2.2°C) to as high as 180°F (82°C).

LEED INFORMATION:

Quik-Shield® | 112 has a minimum of 9.0% total renewable/recycle content (2.3% pre-consumer recycled, 5.2% post-consumer recycled, 1.6% rapidly renewable).

Quik-Shield® | 112 raw materials are blended in Mesa, Arizona. Actual polyurethane end product production is done on-site by the applicator.

VOC level of the finished product is less than 1%.

WARRANTY:

SWD warrants Quik-Shield spray foam insulation, when installed by a certified contractor and applied in accordance with application standards, will not sag or settle for the life of the building. The product will meet the written liquid component specifications as indicated on the product data sheet published at the time of the purchase.

PHYSICAL PROPERTIES

RELATIVE INSULATION VALUES (aged):

R-value at 1"	6.0
R-value per inch at $\geq 3.5"$	6.6

HANDLING PROPERTIES:	A Side	B Side
Viscosity, cps	500	680
Specific Gravity	1.23	1.22
Mixing Ratio	50	50

PHYSICAL PROPERTIES:

	Procedure	Values
Core Density (lb/ft ³)	D-1622	1.8-2.3
Water Vapor Permeance (perms/in)	E-96	.93 @ 1.2"
Water Absorption (%)	D-2842	1
Dimensional Stability (%)	D-2126	<15
Tensile Strength (psi)	D-1623	20-25
Closed Cell, content (%)	D-6226	>96
Air Leakage (L/s/m ²)	E-283	0.002
Emissions (hours to re-occupancy)	CAN/ULC S-774	12

PROCESSING INFORMATION

STORAGE & SHELF LIFE:

- Storage temperatures 65-85°F (18-29° C)
- Shelf life from date of manufacture (unopened containers):
 - A-Side: 12 months
 - B-Side: 6 months
- Keep container tightly sealed.
- Store out of direct sunlight, in a cool dry place, avoid freezing.

RECOMMENDED EQUIPMENT SETTINGS:

- Static Pressure (A&B): 1100-1400 psi
- Dynamic Pressure (A&B): 1000 psi minimum
- Primary Heaters (A&B): 120-140°F (49-60° C)
- Hose Heaters: 120-140°F (49-60° C)
- Dispensing Ratio 1:1
- Do not recirculate

MIXING:

- Do not mix.

APPLICATION:

- Substrate temperature: 28-180°F (-2 - 82° C)
- Substrate surfaces must be free of moisture, oil, grease, dust and debris.
- When changing between different resin systems, flush adequate amount of material through the gun to clear hose lines of previous material.

HEALTH & SAFETY:

SWD Urethane is committed to the health and safety of our customers. SWD and Quik-Shield® products shall only be installed by a SWD Urethane certified contractor. Applicators are required to follow all proper handling, safety and installation procedures. For more information consult the product MSDS, contact the SPFA (www.sprayfoam.org) or the ACC (www.sprypolyurethane.org). Polyurethane foam systems shall not be left exposed in occupied interior space and must be protected by an approved thermal barrier.

The information herein is believed to be reliable; however, unknown risks may be present. SWD Urethane makes no warranty, expressed or implied, concerning this product's merchantability or fitness for any particular use. The only warranty SWD Urethane gives is that the product meets the specifications listed herein, and in the event that it does not, SWD Urethane will replace, at its cost, SWD Urethane's product. The foregoing constitutes SWD Urethane's sole obligation with respect to damages, whether direct, incidental or consequential, resulting from the use or performance of the product.

